VEHICLE WHEEL BEARING AND METHOD FOR CONTROLLING A VEHICLE

ABSTRACT OF THE DISCLOSURE

A vehicle wheel bearing includes a non-rotatable section, a rotatable section, and at least one sensor. The rotatable section is rotatably attached to the non-rotatable section. The at-least-one sensor has an output used for determining at least one component of a force applied to the rotatable section. A method for controlling a vehicle includes attaching at least one sensor to at least one of the non-rotatable and rotatable sections of the vehicle wheel bearing. At least one component of the force applied to the rotatable section is determined from the output of the at-least-one sensor, and the vehicle is controlled based at least in part on the determined at-least-one component.